DBMS Project

Database for Ordering Groceries Online

Project Title – DA-MART

Group Details :

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Objective :

We want to have a database that stores all the data on available grocery items, like the category of food items, their prices, discounts and offers available. We will store the customer and seller's (who sells the ordered goods from his warehouse) data. We will store the quantity of available items presently available in the seller's stock. With every user sign up we generate a unique customer id or seller id which refers to that particular user.

From this database, we will be able to analyze frequently ordered items or categories for a particular user. Order of every customer will be recorded and can be shown in his/her order history. Customers can also see his/her shopping cart.

Description :

DA-MART offers various groceries, discountable offers, coupons, etc. Groceries include categories of daily essentials like beverages, dairy products, bakery products, fruits, vegetables, frozen items, edible oil, grains, spices, dry fruits, etc with their respective category id. If a customer orders above a certain amount then he/she can get coupons or vouchers. We can state the estimated delivery time for an order in the database. We would store the

user's data like customer id, delivery address, contact details, email-id, etc. Wishlist and ordered items can be stored in the customer's profile. Items will have item code, item name, item category, price, rating, average purchase price, stock, expiry date, and seller id.

The seller can update/upload the quantity of items, price, and seller's lower bound price in a specific category on the DA-MART database. Vouchers will include vouchers and their types. Orders will include a unique order id and its order date with its customerid. Order details will also be stored, including the code of the item, ordered quantity, and rate(price per unit of an item sold). Wishlist will contain the wishlist id and customerid. Wishlist details will include the wishlist id and item code. The shopping cart will include the cart id, customerid, and total price of the cart.

Tentative List of Queries :-

1. List of categories offered by DA-MART.

2. Total sales made by a seller for a given duration of time.

3. List all items from the wishlist and their respective price.

4. Total amount spent by a customer in a given duration of time.

5. Most sold item and amount that it made.

6. List of voucher amounts offered to a particular customer.

7. List of items having no stock.

8. Amount made by a seller on a given date for given items.

9. Total amount sold by DA-MART for a given time duration.

10. List items having price > 1000 and make the most sale.

11. List of customers who never ordered.

12. List of sellers who have not sold any items for a given time range.

13. List the categories that make the most sales.

14. List the items that are on the wishlist but not in the cart.